

Reynolds et al.

U.S. Serial No. 10/604,482

REMARKS

Applicant has filed, contemporaneously herewith, a Request for Continued Examination. This Preliminary Amendment qualifies as the "submission" required under 37 CFR §1.114. Applicant requests non-entry of any unentered amendments filed previous to this Preliminary Amendment. Entry and consideration of each amendment herein is appreciated.

On April 11, 2005, the Examiner mailed an Advisory Action reiterating the previously-made final rejection of claims 1-25 under 35 USC §103(a). The Examiner indicated that Applicant's After Final amendment filed March 23, 2005, was not entered as requiring additional search and consideration. Applicant has herein amended pending claims 1-25. Responsive thereto, Applicant believes claims 1-25 define the invention over the art of record.

Claims 1-25 include elements that are not shown, taught, or suggested in the art of record. Specifically, European patent application number 0575082A2 teaches that "[d]ue to the high interference field strengths encountered at a welding site, the minimum operating frequency of the transmitter must be at least a few megahertz." Col. 3, lns. 19-22 (emphasis added). One skilled in the art would readily understand that an operating frequency of at least a few megahertz as taught in the prior art is higher than a low frequency operating frequency. Claims 1, 13, 19, and 25 have been amended to at least distinguish the invention from prior art calling for operating frequencies higher than low operating frequencies.

Since European patent application number 0575082A2 teaches operating frequencies higher than low operating frequencies, Applicant believes that which is called for in claims 1, 13, 19, and 25 is patentably distinct over the art of record. As such, Applicant believes claims 2-12, 14-18, and 20-24 are patentably distinct over the art of record at least through the chain of dependency.

By these amendments, Applicant believes the present application to be in condition for allowance. Accordingly, Applicant respectfully requests timely issuance of a Notice of Allowance for claims 1-25.

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Applicant appreciates the Examiner's consideration of these Amendments and Remarks and cordially invites the Examiner to call the undersigned, should the Examiner consider any matters unresolved.

Respectfully submitted,



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